SUBJECT INDEX TO VOLUME 59

(abs) = abstract (E) = editorial

Abdomen, penetrating wounds of, 168
Abscess, appendiceal, roentgen evidence of (abs), 452
brain, diagnostic significance of change in position of metallic foreign bodies in, 52
perinephric, pyelographic sign in diagnosis of (abs), 148
retroperitoneal, pathognomonic roentgen sign of, 351
Acromioclavicular joint, complete dislocation of (abs), 458
Adamantinoma of maxillary sinus (abs), 145
Adenoma of kidney (abs), 591
Adenomas of large intestine, evolution of, and relation to carcinoma (abs), 306
Adenomatosis, pulmonary alveolar, in man (abs), 445
Adrenal cortical injury, effect of, on toxicity of roentgen rays, 404
Aged, pneumonia in (abs), 583
Agenesis of corpus callosum, 177
of vertebral bodies, cause of dwarfism, 705
Air arthrography as aid to diagnosis of lesions of menisci of knee joint (abs), 459
arthrography of knee joint (abs), 598
insufflation, perirenal, new technique of (abs), 614
Algae formation in wash tanks, prevention by ultraviolet radiation of, 753
Alzheimer's disease, pneumoencephalography of no value in differentiation from Pick's disease, 311
Amenorrhea, high voltage roentgen therapy in treatment of, 370
treatment of, in young women (abs), 609
American Board of Radiology, 140, 300, 434
American Radium Society, annual meeting of (E), 571
preliminary announcement of 1948 meeting, 433
preliminary program of 1948 meeting, 575
Amplifier, feed-back, for ionization currents (abs), 613
Anatomical studies on human tuberculosis (abs), 445; (abs), 446; (abs), 447
Anatomy, angiographic, 617
of blood vessels of human lung as applied to chest roentgenology (abs), 448
of gastric mucosa in dogs, experimental studies, 482
roentgen, of skull in newborn infant (abs), 144
Aneurysm, deformity of radius produced by (abs), 458
of cerebral vessels (abs), 898
of pulmonary artery, thromboangiitis of pulmonary vessels associated with (abs), 584
Angiography, cerebral, clinical evaluation based on 107 cases, 617
Angioneurotic edema of stomach (abs), 585
Ankylosis, vertebral, in tuberculous spines, formation and significance of (abs), 466
Annulus fibrosus, mitral, clinical aspects of calcification of (abs), 148
Anomalies of aortic arch, surgical significance (abs), 449
Aortic arch anomalies, surgical significance of (abs), 449
Aortography, translumbar, as adjunct in management of ureteropelvic junction obstruction (abs), 592
Aplasia of lung (abs), 147
Appendix, roentgen evidence of abscesses of (abs), 452
ruptured, report of two cases with positive roentgen findings, 351
Arnold-Chiari malformation, pantopaque myelography in diagnosis of, 359
Arterial tree, pulmonary, congenital dilatation of (abs), 148
Arteriographic visualization of cerebrovascular lesions (abs), 900
Arteriosclerosis, primary pulmonary, relation to, of congenital dilatation of pulmonary arterial tree (abs), 148
Arteriovenous fistulas (abs), 766
Artery, pulmonary, thromboangiitis of pulmonary vessels associated with aneurysm of (abs), 584
Arthritis, juvenile rheumatoid (abs), 456
Arthrography, air, as aid to diagnosis of lesions of menisci of knee joint (abs), 459
air, of knee joint (abs), 598
Ascites, pelvic tumors associated with (abs), 589
Astronomical contribution to radiology, 122
Atlanto-occipital fusion as related to basilar impression, 511
Atresia, congenital, of intestine and colon (abs), 587
Aural manifestations of leukemia (abs), 151
Ayerza's disease, relation of congenital dilatation of pulmonary arterial tree to (abs), 148

Basilar impression with neurological symptoms, atlanto-occipital fusion, ossiculum terminale and occipital vertebra as related to, 511
Benzol, effect of roentgen rays on halogen compounds of (abs), 156
Beta-(4-hydroxy-3, 5-diiodophenyl)-alpha-phenylpropionic acid, experimental studies on toxicity of, 408

Beta-ray therapy, dose measurement in (abs), 612
Birth injury to proximal humeral epiphysis, humerus varus following (abs), 597
Bladder, carcinoma, classification of, and effects of external radiation (abs), 610
carcinoma, surgical treatment of (abs), 594
experience with calculus of, in North China (abs), 150
infiltrating carcinoma of (abs), 593
Blastomycosis (abs), 768
Bleedings, relapsing, diffuse, pulmonary (abs), 583
Blood, accumulation of, simulating primary bronchial cancer, 227
vessels, of brain, angiography in diagnosis of diseases of, 617
vessels of human lung, anatomy of, as applied to chest roentgenology (abs), 448
Blurring in roentgenography (abs), 612
Bone, calcified medullary defects in (abs), 763
cyst, solitary unicameral, of right ilium, 699
frontal, cavernous hemangioma of, 505
grafting, end results of, for non-union of carpal navicular (abs), 457
injuries, minor, significance of (abs), 463
sarcoma, survival in (abs), 601
Bones, composition of, in juvenile osteopetrosis (abs), 761
long, metastases of retinoblastoma to (abs), 762
long, painful, non-suppurative, localized sclerosis of (abs), 463
tubular, prenatal bowing and thickening of (E), 291
tubular, prenatal bowing and thickening of, with multiple cutaneous dimples in arms and legs (abs), 764
Book Reviews
Radical Surgery in Advanced Abdominal Cancer By Alexander Brunschwig, 302
Bone and Bones: Fundamentals of Bone Biology. By Joseph P. Weinmann and Harry Sicher, 303
Radiology for Medical Students. By Fred Jenner Hodges, Isadore Lampe, and John Floyd Holt, 303
Pathology of Tumours. By R A. Willis, 746
Einführung in die Röntgenologie. By G. H. Haenisch and H. Holthusen, 747
Applied Anatomy of the Head and Neck. By Harry H. Shapiro, 747
Bowing, nonrachitic, of legs in childhood (abs), 457
Brain abscess, diagnostic significance of change in position of metallic foreign bodies in, 52
angiography of, 617
Breast, cancer, and artificial menopause (abs), 154
cancer and Paget's disease of (abs), 151
cancer, histologic picture of, after preoperative roentgen irradiation (abs), 154
cancer, treated by radical mastectomy (abs), 602
cancer, use of male sex hormone in women with (abs), 606
carcinoma, object, value and technique of preoperative and postoperative roentgen treatment in (abs), 606
carcinoma, roentgen treatment (abs), 605
Bronchial cancer, primary, accumulation of blood simulating, 227
Bronchography in pulmonary tuberculosis (abs), 447; (abs), 448
"Burns," superficial, of skin and eyes from scattered cathode rays (abs), 468

Calcification of mitral annulus fibrosus, clinical aspects of (abs), 148
tuberculous, 853
Calcifications, intracranial, roentgen demonstration of, in case of toxoplasmosis, 816
lung, and histoplasmin-tuberculin skin sensitivity (abs), 760
pulmonary, and sensitivity to histoplasmin (abs), 443
Calcium, deposition of, in costal cartilages, 213
gluconate injection into muscle (abs), 616
Calculus of bladder, experience with, in North China (abs), 150
Calibration, roentgen-ray, of photographic film exposure meter, 731
Camera, reflector, of Bernhard Schmidt, 122
Cameras, fast, new types of, 565
Cancer about face, master facial cast for rigid portal delimitation in roentgen therapy of, 19
bladder, comparison of radiation and surgery for (abs), 610
corporis uteri, radiotherapeutic treatment (abs), 603
gynecologic, advances in practical prevention of (abs), 590
hormones and (abs), 767
in childhood (abs), 600
jejunal (abs), 305
of bladder, comparison of radiation and surgery for (abs), 610
of breast and artificial menopause (abs), 154
of breast and Paget's disease of breast (abs), 151
of breast, histologic picture of, after preoperative roentgen irradiation (abs), 154
of breast treated by radical mastectomy (abs), 602
of breast, use of male sex hormone in women with (abs), 606
of cervix uteri, causes of death in (abs), 591
of cervix uteri, radiation and surgical trends in treatment of, 251
of corpus uteri, background of (abs), 591
of corpus uteri following radiation therapy for benign uterine lesions, 796
of endometrium and prolonged estrogen therapy (abs), 608

of endometrium, intrauterine radium applications in, 786
of esophagus, roentgen treatment, 551
of head and neck, dental aids in treatment of, 539
of larynx, anatomical classification of, for use in radiation therapy, 222
of larynx, roentgen therapy in (abs), 607
of mouth (abs), 770
of skin, statistical report (abs), 599
perforated gastric (abs), 306
primary bronchial, accumulation of blood simulating, 227
radiotherapeutic eradication of, with surgical repair of subsequent ulceration and deformity, 229
research, diagnosis and treatment, distribution of certain radioisotopes without charge for, 744
seminar, 299
treatment of, by neutron therapy, 771
vitamin B complex, menorrhagia and (abs), 767
Carcinoma, advanced, of larynx, panlarygnectomy for (abs), 146
bronchogenic, surgical aspects of (abs), 758
evolution of adenomas of large intestine and their relation to (abs), 306
gastric (abs), 306
infiltrating, of bladder (abs), 593
of bladder, classification of, and effects of external radiation (abs), 610
of bladder, surgical treatment of (abs), 594
of breast, object, value and technique of preoperative and postoperative roentgen treatment of (abs), 606
of breast, roentgen treatment (abs), 605
of breast, significance of skin recurrences following radical mastectomy in (abs), 758
of colon (abs), 588
of colon and rectum, prognosis in (abs), 588
of esophagus and cardiac end of stomach (abs), 756
of jejunum, 685
of larynx and hypopharynx, roentgen treatment and results (abs), 608
of penis (abs), 604
of stomach, total gastrectomy for (abs), 306
superficial spreading, of stomach, 157
Cardiac roentgenology, course in, 897
Carotid body, tumors of (abs), 757
Carpal navicular, end results of bone grafting for non-union of (abs), 457
Cartilages, costal, deposition of calcium in, 213
Cathode rays, scattered, superficial "burns" of skin and eyes from (abs), 468
Causalgia (abs), 456
Cavities, pulmonary, "below diaphragm," 677
with diverticula (abs), 761
Cecum, benign ulcer of (abs), 309
Cerebral angiography, clinical evaluation based on 107 cases, 617
involvement in schistosomiasis japonica (abs), 755
manifestations of xanthomatosis (abs), 768
schistosomiasis (abs), 899
ventricles, herniation of, 27
vessels, bilateral congenital arteriovenous communications of (abs), 898
Cerebrovascular lesions, arteriographic visualization of (abs), 900
Cervix uteri. See Uterus, cervix
Chest, roentgen manifestations of injury within, due to missiles, 662
roentgenograms of, in mental deficiency (abs), 147
roentgenography, round bell image in (abs), 761
roentgenology, anatomy of blood vessels of human lung as applied to (abs), 448
Childhood, cancer in (abs), 600
nonrachitic bowlegs in (abs), 457
tuberculous dactylitis in (abs), 760
Children, clinical and roentgen observations of skeletal lesions of leukemia in, 819
craniopharyngiomas in, 755
significance of triangular hilar shadows in roentgenograms of, 845
China, experience with calculus of bladder in (abs), 150
Cholecystography, visualization of Rokitansky-Aschoff sinuses of gallbladder during, 197
Chondrodystrophia calcificans congenita (abs), 595
Chondroma, parosteal osteoid, 882
Chorionepithelioma, metastatic, of lung treated by lobectomy (abs), 759
Circulation measurements, roentgen (abs), 150
Classification, anatomical, of cancer of larynx for use in radiation therapy, 222
Clavicle, special projections for, 435
Colic, acute renal, intravenous urography in (abs), 309
Colitis, mucosal studies in, due to parasites, 865
mucous, present trends in (abs), 307
toxic sulfonamide (abs), 452
Colon, carcinoma of (abs), 588
carcinoma, prognosis in (abs), 588
congenital atresia of (abs), 587
diverticula of, versus gallstones (abs), 307
redundancy of (abs), 308.
role of roentgenologist in diagnosis of polypoid disease of, 108
Congenital arteriovenous communications, bilateral, of cerebral vessels (abs), 898
atresia of intestine and colon (abs), 587
cysts of tongue, floor of mouth, pharynx and larynx (abs), 756
dilatation of pulmonary arterial tree (abs), 148
malformations, multiple, of skeletal system, 533
syndrome of mechanical origin (E), 291; (abs), 765
syphilis, osseous (abs), 597

tuberculosis, clinical importance (abs), 441
Coracoid process, special projections for, 435
Corpus callosum, agenesis of, 177
tumors involving, 177
Cotton dust, affections of respiratory tract in individuals exposed to (E), 738
Coxa valga, epiphyseal (abs), 459
Craniopharyngiomas in children (abs), 755
Cross-indexing and filing roentgen-ray reports, system of (abs), 611
Cyst, large pyelogenic, with crossed renal ectopia (abs), 309
solitary unicameral bone, of right ilium, 699
Cysts, congenital, of tongue floor of mouth, pharynx and larynx (abs), 756
of cavum septi pellucidi and cavum vergae, 177

Dactylitis, tuberculous, in childhood (abs), 760
Danish photofluorographic cameras of original Schmidt type, 416
Death causes of, in cancer of cervix uteri (abs), 591
Deformity of radius produced by aneurysm (abs), 458
surgical repair of, following radiotherapeutic eradication of cancer, 229
Dementias, presenile, pneumoencephalographic diagnosis in, 311
Dental aids in treatment of cancer of head and neck, 539
Diagnostic significance of change in position of metallic foreign bodies in brain absecss, 52
Diaphragm, pulmonary cavities below, 677
Diodrast, comparison of intradermal and ocular methods of testing for sensitivity to, 727
Dislocation, complete, of acromioclavicular joint (abs), 458
isolated, of lesser multangular bone, 712
recurrent posterior, of shoulder (abs), 762
Ditopax, new excretory urographic medium (abs), 309
Diverticula, duodenal, with ulceration, 343
of colon versus gallstones (abs), 307
Dogs, experimental studies on motility of gastric mucosa in, 482
Dosage determinations with radioactive isotopes, 260
measurements for intrauterine radium applications in cancer of endometrium, 786
Dose measurement in beta-ray therapy (abs), 612
Ductus arteriosus, patent, with subacute bacterial endarteritis (abs), 584
Duodenum, crater in uncomplicated ulcer of, 87
diverticula of, with ulceration, 343
foreign body in, causing urinary disturbance (abs), 305
post bulbar ulcer of, 90
Dwarfism, agenesis of vertebral bodies a cause of, 705

Ectopia, crossed renal, large pyelogenic cyst with (abs), 309
renal, demonstration by roentgenoscopy (abs), 310
Edema, angioneurotic, of stomach (abs), 585
transient focal pulmonary (abs), 441
Editorials
Injurious effects of whole body neutron irradiation in animals, 133
A congenital syndrome of mechanical origin, 291
Harry L. Farmer, 1896–1947, 294
Urethane therapy, 421
Alban Köhler, 1874–1947, 425
Weston A. Price, 1870–1948, 428
Annual meeting of the American Radium Society, 571
Affections of the respiratory tract in individuals exposed to cotton dust, 738
Radiant energy injuries, 890
Effect, biological primary, of irradiation (abs), 156
of adrenal cortical injury on toxicity of roentgen rays, 404
of radioactive sodium on leukemia and allied diseases, 469
of radium irradiation on thrombocytes observed in dark-field preparations (abs), 155
of roentgen rays on halogen compounds of benzol (abs), 156
Effects, injurious, of whole body neutron irradiation in animals (E), 133
Electrosurgery, treatment of keloids by, and irradiation, 378
Embolism, pulmonary oil (abs), 441
Emphysema, progressive bilateral bullous (abs), 147
Endarteritis, subacute bacterial, patent ductus arteriosus with (abs), 584
Endometrium, cancer, and prolonged estrogen therapy (abs), 608
intrauterine radium applications in cancer of, 786
Energy absorption in radium therapy (abs), 613
Epiphyseal coxa valga (abs), 459
growth, unclassified premature cessation of, about knee joint (abs), 762
Epiphysis, proximal humeral, humerus varus following birth injury to (abs), 596
Ertron ingestion, toxic manifestations associated with prolonged (abs), 152
Eruption, creeping, Löffler's syndrome associated with (abs), 148
Esophagus, cancer, roentgen treatment of, 551
carcinoma of (abs), 756
scleroderma with symptoms in (abs), 450
simple non-sphincteric localized spasm of (abs), 450
Estrogen therapy, prolonged, and cancer of endometrium (abs), 608
Eyes, simple and accurate method for localization of foreign bodies in (abs), 613
superficial "burns" of, from scattered cathode rays (abs), 468

Face cancer, master facial cast for rigid portal delimitation in roentgen therapy of 19
Farmer, Harry L., 1896–1947, obituary, 294
portrait, 294
Femur, pathology of ununited fractures of neck of (abs), 464
Fever therapy, cardiac enlargement in (abs), 584
Films, wet, roentgen, viewing room for (abs), 155
Fingers, degenerative joint disease, roentgen and clinical appearance of, 326
Finland needs scientific books and periodicals, 140
Fistulas, arteriovenous (abs), 766
Fluoroscopic image, amplification of, 886
Foreign bodies, intraocular, localization of, by simple and accurate method (abs), 613
metallic, in brain abscess, diagnostic significance of change in position of, 52
Foreign body in duodenum causing urinary disturbance (abs), 305
Fornix backflow in excretion urography (abs), 150
Fracture, march, aseptic necrosis of metatarsal bone simulating (abs), 461
Fractures, march (abs), 596
ununited, pathology of, of neck of femur (abs), 464
Frontal bone, cavernous hemangioma of, 505

Gallbladder, visualization of Rokitansky-Aschoff sinuses of, during cholecystography, 197
Gallstones, diverticula of colon versus (abs), 307
Gastrectomy, total, for carcinoma of stomach (abs), 306
Gastritis, hypertrophic, simulating neoplasm (abs), 451
Gastrointestinal bleeding, hiatus hernia of stomach as source of (abs), 450
tract, tumors of (abs), 587
Gastroscopy in diagnosis of carcinoma of stomach, 157
Genetic influence on osseous development, 213
Georgia Radiological Society, 897
Giant cell tumor, subperiosteal (abs), 764
Granulosa cell tumor of ovary, 717
Gumma, bilateral calcified testicular (abs), 594

Halogen compounds of benzol, effect of roentgen rays on (abs), 156
Head, cancer, dental aids in treatment of, 539
lymphosarcoma of, 354
Heart, enlargement of, in fever therapy (abs), 584
Heberden's nodes, 326
Helminthiasis, cutaneous, Löffler's syndrome associated with (abs), 148
Hemangioma, cavernous, of frontal bone, 505
renal cavernous, requiring nephrectomy (abs), 310
Hemangiomatosis of lower extremity, case resembling (abs), 468
Hemosiderosis, pulmonary, clinical, roentgen and pathological aspects of (abs), 444
pulmonum, new clinical diagnosis (abs), 583
Hemothorax resulting from penetrating wounds of pleural cavity, sequelae and complications of, 525
Hernia, right paraduodenal, roentgen diagnosis and postoperative recovery, 338
Herniation of cerebral ventricles, 27
Hiatus hernia of stomach as source of gastrointestinal bleeding (abs), 450
Hilar shadows, triangular, significance of, in roentgenograms of infants and children, 845
Hip, primary congenital subluxation of (abs), 465
Histoplasmin, pulmonary calcifications and sensitivity to (abs), 443
sensitivity (abs), 442
-tuberculin skin sensitivity, lung calcifications and (abs), 760
Hormone, male sex, use of, in women with breast cancer (abs), 606
Hormones and cancer (abs), 767
Humerus, supracondyloid process of (abs), 458
varus following birth injury to proximal humeral epiphysis (abs), 596
Hydronephrosis, large, of true supernumerary, kidney (abs), 591
Hydrothorax, pelvic tumors associated with (abs), 589
Hypernephroma, bilateral (abs), 592
Hyperostoses, infantile cortical (abs), 462
Hyperparathyroidism, multiple myeloma simulating (abs), 768
Hyperthyroidism, treatment of, with radioactive iodine (abs), 153
Hypervitaminosis A (abs), 767
Hypopharynx, carcinoma, roentgen treatment and results (abs), 608

Ilium, primary lymphangioma of (abs), 599
right, solitary unicameral bone cyst of, 699
Infant, syphilitic, penicillin in treatment of (abs), 462
Infantile cortical hyperostoses (abs), 462
Infants, clinical and roentgen observations of skeletal lesions of leukemia in, 819
significance of triangular hilar shadows in roentgenograms of, 845
Injuries, radiant energy (E), 890
Instruments useful in cases of trismus, 141
International Congress of Radiology, Sixth, 299, 897
Intervertebral disc, fusion of vertebrae following resection of (abs), 460
lesions, lumbar, roentgen diagnosis (abs), 467
Intestinal disorders, functional, roentgen diagnosis of (abs), 585
Intestine, congenital atresia of (abs), 587
large, evolution of adenomas of, and relation to carcinoma (abs), 306
small, primary tumors of, 492
small, recent advances in investigation of (abs), 451

small, tumors of, 685
Intrathoracic injury due to missiles, roentgen manifestations of, 662
Iodine, radioactive, in study of thyroid physiology (abs), 153
radioactive, partial destruction of rat thyroid by large doses of, 387
radioactive, treatment of hyperthyroidism with (abs), 153
Ionization currents, feed-back amplifier for (abs), 613
specific, and neutron therapy, 771
Irradiation, biological primary effect of (abs), 156
physiobiology and general management of chronic ulceration occurring after, 9
treatment of keloids by, 378
whole body neutron, in animals, injurious effects of (E), 133
Isotope labeled compounds, program for supplying, 743
Isotopes, distribution of certain, without charge, for cancer research, diagnosis and treatment, 744
radioactive, courses in techniques of using, 743
radioactive, dosage determination with, 260
radioactive, revised procedure for procurement of, 744
use of, in medical research (abs), 614

Jaagsiekte in sheep, is pulmonary alveolar adenomatosis in man same disease as (abs), 445
Janeway Memorial Lecture, 1947, 771
Jejunum, cancer of (abs), 305
carcinoma of, 685
Joint, changes produced in adjacent, by osteoid osteoma (abs), 598
disease, degenerative, of fingers, roentgen and clinical appearance of, 326
reactions, inflammatory and degenerative, in tuberculosis (abs), 464

Kansas Radiological Society, 897
Keloids, treatment of, by irradiation and electrosurgery, 378
Kidney. See also Renal
adenoma of (abs), 591
spontaneous rupture of, 365
true supernumerary, large hydronephrosis of (abs), 591
Kidneys, distant metastases of 58 neoplasms of (abs) 592
malignant neoplasms of (abs), 149
new technique of perirenal air insufflation (abs), 614
prognosis and problems in tumors of (abs), 455
small, roentgen considerations of pyelonephritis in, 561
tuberculosis of, significance of fornix backflow in excretion urography, in differential diagnosis of (abs), 150
value of roentgen examination in non-surgical diseases of (abs), 149
Knee joint, air arthrography as aid to diagnosis of lesions of menisci of (abs), 459
air arthrography of (abs), 598
effusion, roentgen diagnosis of (abs), 466
unclassified premature cessation of epiphyseal growth about (abs), 762
Köhler, Alban, 1874–1947, obituary, 425
portrait, 425
Küpferle, Leopold, announcement of death of, 893
Kyphosis, osteotomy of lumbar spine for correction of, in ankylosing spondylarthritis (abs), 460

Larynx, advanced carcinoma, panlaryngectomy for (abs), 146
anatomical classification of cancer of, for use in radiation therapy, 222
cancer, roentgen therapy in (abs), 607
carcinoma, roentgen treatment and results (abs), 608
congenital cysts of (abs), 756
Leg, case resembling hemangiomatosis of (abs), 468
Legs, nonrachitic bowing of, in childhood (abs), 457
Lesions, diffuse pulmonary, 59
Leukemia, aural manifestations of (abs), 151
effects of radioactive sodium on, 469
skeletal lesions in, 819
Lipiodol, venous invasion due to urethrograms made with (abs), 594
Lobectomy, metastatic chorionepithelioma of lung treated by (abs), 759
Localization of intraocular foreign bodies, simple and accurate method for (abs), 613
Löffler's syndrome (abs), 441
associated with creeping eruption (abs), 148
Long Island Radiological Society, 745
Louisville Radiological Society, 300
Lung, aplasia of (abs), 147
Lungs, alveolar adenomatosis of, in man (abs), 445
anatomy of blood vessels of, as applied to chest roentgenology (abs), 448
calcifications and histoplasmin-tuberculin skin sensitivity (abs), 760
calcifications in, and sensitivity to histoplasmin (abs), 443
cavities in, "below diaphragm," 677
diffuse lesions of, 59
hemosiderosis of, clinical, roentgen and pathological aspects of (abs), 444
manifestations of xanthomatosis in (abs), 768
metastatic chorionepithelioma of, treated by lobectomy (abs), 759
minimal tuberculous lesions of (abs), 442
oil embolism of (abs), 441
symposium on lesions of, 299
transient focal edema of (abs), 441
Lymphangioma, primary, of ilium (abs), 599

Lymphosarcoma, gastric, roentgen diagnosis and radiation treatment of (abs), 155
of head and neck, 354

Malformations, multiple congenital, of skeletal system, 533
Mastectomy, radical, cancer of breast treated by (abs), 602
radical, significance of skin recurrences following (abs), 758
Mastitis, plasma cell (abs), 152
Measurement of dose in beta-ray therapy (abs), 612
of neutron radiation, 771
Measurements, roentgen circulation (abs), 150
Mechanical origin, congenital syndrome of (E), 291; (abs), 765
Medical research, use of isotopes in (abs), 614
Melanoma, malignant, discussion on (abs), 600
radiation treatment (abs), 600
Meningiomas, intracranial, surgical results (abs), 898
Meningitis, cryptococcic, treatment of, with penicillin (abs), 144
Meningocele, extraspinal lumbar, 765
Menisci of knee joint, air arthrography as aid to diagnosis of lesions of (abs), 459
Menopause, artificial, and cancer of breast (abs), 154
Menorrhagia, vitamin B complex, and cancer (abs), 767
Mental deficiency, roentgenograms of chest in (abs), 147
Metastases, distant, of 58 renal neoplasms (abs), 592
of retinoblastoma to long bones (abs), 762
Metatarsal bone, disease of, simulating march fracture (abs), 461
Meter, photographic film exposure, roentgen-ray calibration of, 731
Mid-West Radiologic Conference, report of 1948 meeting, 433
Military problem, tuberculosis as (abs), 442
Missiles, roentgen manifestations of intrathoracic injury due to, 662
Mitral annulus fibrosus, clinical aspects of calcification of (abs), 148
Mononucleosis, infectious (abs), 765
Morton's toe (abs), 461
Mouth, cancer of (abs), 770
congenital cysts of floor of (abs), 756
Mucosa, gastric, experimental studies on motility of, in dogs, 482
prolapsed redundant gastric, into duodenum, roentgen diagnosis (abs), 451
Mucosal studies in colitis due to parasites, 865
Multangular bone, lesser, isolated dislocation of, 712
Muscle, calcium gluconate injection into (abs), 616
Myelography, pantopaque, in diagnosis of Arnold-Chiari malformation, 359
Myeloma, multiple, simulating hyperparathyroidism (abs), 768
Myositis ossificans progressiva in homozygotic twins, 204

Neck, cancer, dental aids in treatment of, 539
lymphosarcoma of, 354
Necrosis, aseptic, of metatarsal bone, simulating march fracture (abs), 461
Neoplasm, hypertrophic gastritis simulating (abs), 451
Neoplasms, distant metastases of 58 renal (abs), 592
malignant, originating in synovial tissues (abs) 595
malignant renal (abs), 149
Nephrectomy, renal vascular tumor requiring (abs), 310
Nephrolithiasis, bilateral, report of case of, 365
Neuromas, plantar (abs), 461
Neutron irradiation, whole body, in animals, injurious effects of (E), 133
radiation, measurement of, 771
therapy and specific ionization, 771
therapy in treatment of cancer, 771
Newborn, roentgen anatomy of skull in (abs), 144
roentgen changes produced by diffuse torulosis in, 805
Nipple, Paget's disease of (abs), 605
Nutrition, role of, in pelvic variation (abs), 589

Oil embolism, pulmonary (abs), 441
Optical systems for photofluorography, 282
Osseous development, genetic influence on, 213
Ossiculum terminale as related to basilar impression, 511
Ossification associated with chronic strain of tibial collateral ligament from roller-skating (abs), 463
of costal cartilages, 213
Osteitis fibrosa, renal, superimposed on senile osteoporosis (abs), 596
pubis (abs), 763
Osteochondritis dissecans of talus (abs), 763
Osteochondrosis deformans tibiae (abs), 457
Osteoid osteoma (abs), 764
associated with changes in adjacent joint (abs), 598
Osteomyelitis caused by *Salmonella typhimurium* (abs), 464
Osteomyelosclerosis (abs), 594
Osteopetrosis, juvenile (abs), 761
Osteoporosis, senile, renal osteitis fibrosa superimposed on (abs), 596
Osteotomy of lumbar spine for correction of kyphosis in ankylosing spondylarthritis (abs), 460
Ovary, granulosa cell tumor of, 717

Paget's disease and cancer of breast (abs), 151
of nipple (abs), 605
Pancreatic insufficiency in early life, roentgen changes associated with (abs), 305
Pancreatitis, chronic relapsing (abs), 453
Panlaryngectomy for advanced carcinoma of larynx (abs), 146
Panner's metatarsal disease (abs), 461
Pantopaque myelography in diagnosis of Arnold-Chiari malformation, 359
Paraduodenal hernia, right, roentgen diagnosis and postoperative recovery, 338
Parasites, mucosal studies in colitis due to, 865
Pelvic variation, role of nutrition in (abs), 589
Pelvicephalometry, roentgen, simplified method of, 688
Pelvigraphy (abs), 454
Pelvimetry, roentgen, amount of radiation incident in depths of pelvis during (abs), 615
standardized roentgen qualitative (abs), 455
standardized roentgen, quantitative aspects (abs), 454
Pelvis, amount of radiation incident in depths of, during roentgen pelvimetry (abs), 615
certain tumors of, associated with ascites and hydrothorax (abs), 589
Penicillin, effect of, on rate of healing of osseous congenital syphilis (abs), 597
in treatment of syphilitic infant (abs), 462
treatment of cryptococcic meningitis with (abs), 144
Penis, carcinoma of (abs), 604
Peptic ulcer, psychosomatic relationships in, 100
Perinephric abscess, pyelographic sign in diagnosis of (abs), 148
Pes planus, diagnosis by roentgen ray (abs), 461
Pharynx, congenital cysts of (abs), 756
schwannoma of (abs), 145
schwannoma of, with paralysis of vocal cord (abs), 146
Photofluorographic cameras, two Danish, of original Schmidt type, 416
Photofluorography, new types of fast cameras for, 565
optical systems for, 282
Photographic film exposure meter, roentgen-ray calibration of, 731
Physiobiology and general management of chronic ulceration occurring after irradiation, 9
Physiology of gastric mucosa in dogs, experimental studies, 482
of thyroid, radioactive iodine in study of (abs), 153
Pick's disease, pneumoencephalography of no value in differentiation from Alzheimer's disease, 311
Pinealomas, 177
Plasma cell mastitis (abs), 152
Plasmocytoma, solitary extramedullary (abs), 602
Pleural cavity, sequelae and complications of hemothorax resulting from penetrating wounds of, 525
Pneumoconiosis in dockers dealing with grain and seeds (abs), 444
Pneumoencephalographic diagnosis in presenile dementias, 311
Pneumonia in aged (abs), 583
Pneumonitis, nonsuppurative poststreptococcic (abs), 583
Pneumoperitoneum treatment of pulmonary tuberculosis, phenomenon sometimes seen in, 677
Pneumothorax, artificial (abs), 448
Polycythemia vera, effects of radioactive sodium on, 469
Polypoid disease of colon, role of roentgenologist in diagnosis of, 108
Poncet's disease (abs), 464
Postgraduate courses in radiology, 140
Price, Weston A., 1870–1948, obituary, 428
portrait, 428
Priodax, experimental studies on toxicity of, 408
Protection, considerations of, in therapy with radioactive isotopes, 260
Psychosomatic relationships in peptic ulcer, 100
Pyelogenic cyst, large, with crossed renal ectopia (abs), 309
Pyelographic sign in diagnosis of perinephric abscess (abs), 148
Pyelography, retrograde, with use of filming roentgenoscope, 576
Pyelonephritis in small kidneys, roentgen considerations, 651

Radiant energy injuries (E), 890
Radiation, amount of, incident in depths of pelvis during roentgen pelvimetry (abs), 615
injuries (abs), 769
therapy, anatomical classification of cancer of larynx for use in, 222
therapy for benign uterine lesions, cancer of corpus uteri following, 796
therapy, time factor in, 1
trends in treatment of cancer of cervix uteri, 251
Radiations, inactivation of viruses by (abs), 612
Radioactive iodine in study of thyroid physiology (abs), 153
iodine, partial destruction of rat thyroid by large doses of, 387
iodine, treatment of hyperthyroidism with (abs), 153
isotopes, dosage determination with, 260
sodium, effects of, on leukemia and allied diseases, 469
Radioautography, physical and radiobiological aspects of technique as applied to thin specimens, 396
Radiodermatitis, acute, experimental observations on management of, 9
medical treatment of, 9
Radiography. See Roentgenography

Radioiodine, partial destruction of rat thyroid by large doses of, 387
Radioisotopes, courses in techniques of using, 743
distribution of certain, without charge, for cancer research, diagnosis and treatment, 734
revised procedure for procurement of, 744
Radiology, astronomical contribution to, 122
postgraduate courses in, 140
Radionecrosis, radon ointment in, 9
Radiotherapy, eradication of cancer by, with surgical repair of subsequent ulceration and deformity, 229
Radium applications, intrauterine, in cancer of endometrium, 786
irradiation, effect of, on thrombocytes observed in dark-field preparations (abs), 155
therapy, energy absorption in (abs), 613
Radius, deformity of, produced by aneurysm (abs), 458
Radon ointment in radionecrosis, 9
Rectum, carcinoma, prognosis in (abs), 588
duplication of (abs), 452
Redundancy of colon (abs), 308
Renal. See also Kidney
colic, acute, intravenous urography in (abs), 309
ectopia, crossed, large pyelogenic cyst with (abs), 309
ectopia, demonstration by roentgenoscopy (abs), 310
osteitis fibrosa superimposed on senile osteoporosis (abs), 596
rickets (abs), 597
vascular tumor requiring nephrectomy (abs), 310
Respiratory tract, affections of, in individuals exposed to cotton dust (E), 738
Retinoblastoma, metastases of, to long bones (abs), 762
Retroperitoneal abscess, pathognomonic roentgen sign of, 351
Rheumatic fever, treatment of, by roentgen irradiation (abs), 770
Rickets, renal (abs), 597
unusual case of, 877
Rocky Mountain Radiological Society, 897
Roentgen changes produced by diffuse torulosis in newborn, 805
circulation measurements (abs), 150
examination, value of, in non-surgical diseases of kidneys (abs), 149
films, wet, viewing room for (abs), 155
irradiation, preoperative, histologic picture of breast cancer after (abs), 154
-ray calibration of photographic film exposure meter, 731
-ray reports, system of filing and cross-indexing (abs), 611
rays, effect of adrenal cortical injury on toxicity of, 404
rays, effect of, on halogen compounds of benzol (abs), 156
sign, pathognomonic, of retroperitoneal abscess, 351
therapy, high voltage, use of, in treatment of amenorrhea and sterility in women, 370
therapy of cancer about face, master facial cast for rigid portal delimitation in, 19
Roentgenograms of chest in mental deficiency (abs) 147
of infants and children, significance of triangular hilar shadows in, 845
Roentgenography, blurring in (abs), 612
chest, round bell image in (abs), 761
of coracoid process and clavicle, special projections in, 435
Roentgenologic manifestations of intrathoracic injury due to missiles, 662
Roentgenologist, role of, in diagnosis of polypoid disease of colon, 108
Roentgenology, cardiac, course in, 897
of massive conglomerate lesions of silicosis (abs), 444
Roentgenoscope, filming, retrograde pyelography with use of, 576
Roentgenoscopy, demonstration of crossed unfused renal ectopia by (abs), 310
Roller-skating, ossification associated with chronic strain of tibial collateral ligament from (abs), 463
Rupture, spontaneous, of kidney, 365

Salmonella typhimurium, osteomyelitis caused by (abs), 464
Sarcoidosis, roentgenological aspect of, 318
Sarcoma, bone, survival in (abs), 601
gastric, roentgen diagnosis and radiation treatment of (abs), 155
reticulum cell gastric, roentgen diagnosis and radiation treatment of (abs), 155
reticulum cell, of stomach (abs), 451
soft tissue, therapy for (abs), 612
Schistosomiasis, cerebral (abs), 899
japonica, cerebral involvement in (abs), 755
Schmidt, Bernhard, and his reflector camera, 122
camera, two Danish photofluorographic cameras of original Schmidt type, 416
Schwannoma of pharynx (abs), 145
of pharynx, with paralysis of vocal cord (abs), 146
Schweizerische Röntgen-Gesellschaft, 299
Scleroderma with esophageal symptoms (abs), 450
Sclerosis, painful, non-suppurative, localized, of long bones (abs), 463
Sensitivity to diodrast, comparison of intradermal and ocular methods of testing for, 727
Septum pellucidum, significance of widened, 177
tumors of, 177
Shoulder, recurrent posterior dislocation of (abs), 762

Sigmoid, improved method of visualization of, 750
Silicosis, roentgenology of massive conglomerate lesions of (abs), 444
Sinus, maxillary, adamantinoma of (abs), 145
maxillary, malignant tumors of (abs), 144
pericranii, report of case of, 505
Sinuses, Rokitansky-Aschoff, of gallbladder, visualization of, during cholecystography, 197
Skeletal system, multiple congenital malformations of, 533
Skeleton, changes in, in juvenile rheumatoid arthritis (abs), 456
lesions of, in leukemia, 819
manifestations of xanthomatosis in (abs), 768
Skin, cancer of, statistical report (abs), 599
pigmented tumors of (abs), 600
recurrences following radical mastectomy, significance of (abs), 758
sensitivity, histoplasmin-tuberculin, and lung calcifications (abs), 760
superficial "burns" of, from scattered cathode rays (abs), 468
Skull, roentgen anatomy of, in newborn infant (abs), 144
Soft tissue sarcomas, therapy for (abs), 612
Spasm, simple non-sphincteric localized esophageal (abs), 450
Spine, lumbar, osteotomy of, for correction of kyphosis in ankylosing spondylarthritis (abs), 460
lumbar, roentgen diagnosis of intervertebral disc lesions of (abs), 467
tuberculous, formation and significance of vertebral ankylosis in (abs), 466
Spondylarthritis, ankylosing, osteotomy of lumbar spine for correction of kyphosis in (abs), 460
Spondylolisthesis, painful, treatment of (abs), 460
Sterility in women, high voltage roentgen therapy in treatment of, 370
Stomach, angioneurotic edema of (abs), 585
carcinoma of (abs), 306
carcinoma of cardiac end of (abs), 756
carcinoma, total gastrectomy for (abs), 306
experimental studies on motility of mucosa of, in dogs, 482
hiatus hernia of, as source of gastrointestinal bleeding (abs), 450
perforated cancer of (abs), 306
prolapsed redundant mucosa of, roentgen diagnosis (abs), 451
reticulum cell sarcoma of (abs), 451
superficial spreading carcinoma of, 157
tuberculosis of, 682
Stone, Robert S., Janeway Lecturer, 1947, portrait opposite p. 771
Subluxation, primary congenital, of hip (abs), 465
Sulfonamide colitis, toxic (abs), 452
Supracondyloid process of humerus (abs), 458
Surgical repair of ulceration and deformity following radiotherapeutic eradication of cancer, 229
trends in treatment of cancer of cervix uteri, 251
Synoviomas, study of 32 specimens registered at Army Institute of Pathology during 1941–1945 (abs), 595
Syphilis in infant, penicillin in treatment of (abs), 462
osseous congenital (abs), 597

Talus, osteochondritis dissecans of (abs), 763
Technique, new, of perirenal air insufflation (abs), 614
of radioautography, physical and radiobiological aspects of, as applied to thin specimens, 396
simplified, of roentgen pelvicephalometry, 688
Tentorium, ventriculography of tumors below (abs), 441
Testicle, bilateral calcified gumma of (abs), 594
tumors of (abs), 456; (abs), 605
Thoracoplasty (abs), 448
Thromboangiitis of pulmonary vessels associated with aneurysm of pulmonary artery (abs), 584
Thrombocytes observed in dark-field preparations, effect of radium irradiation on (abs), 155
Thyroid physiology, radioactive iodine in study of (abs), 153
rat, partial destruction of, by large doses of radio-iodine, 387
Tibial collateral ligament, ossification associated with chronic strain of, from roller-skating (abs), 463
Time factor in radiation therapy, 1
Tongue, congenital cysts of (abs), 756
Torulosis, diffuse, in newborn, roentgen changes produced by, 805
Toxicity of priodax, experimental studies on, 408
of roentgen rays, effect of adrenal cortical injury on, 404
Toxoplasmosis, roentgen demonstration of intracranial calcifications in case of, 816
Trismus, instruments useful in cases of, 141
Tuberculosis as military problem (abs), 442
congenital, clinical importance (abs), 441
gastric, 682
human, anatomical studies on (abs), 445; (abs), 446; (abs), 447
inflammatory and degenerative joint reactions in (abs), 464
of kidney, significance of fornix backflow in excretion urography, in differential diagnosis of (abs), 150
of spine, formation and significance of vertebral ankylosis in (abs), 466
progressive primary pulmonary (abs), 446
pulmonary bronchography in (abs), 447; (abs), 448
pulmonary, phenomenon sometimes seen in pneumoperotoneum treatment of, 677

pulmonary reinfection (abs), 446
reinfection, basal onset of, 82
Tuberculous calcification, 853
cavities with diverticula (abs), 761
dactylitis in childhood (abs), 760
lesions, minimal, of lung (abs), 442
Tumor, granulosa cell, of ovary, 717
of testicle (abs), 605
subperiosteal giant cell (abs), 764
Wilms' (abs), 455
below tentorium, ventriculography of (abs), 441
Tumors, cerebral, diagnosis by angiography, 617
involving corpus callosum, 177
malignant, of maxillary sinus (abs), 144
of carotid body (abs), 757
of gastrointestinal tract (abs), 587
of lateral ventricles, 177
of septum pellucidum, 177
of small intestine, 685
of testis (abs), 456
pelvic, associated with ascites and hydrothorax (abs), 589
primary, of small intestine, 492
primary retroperitoneal (abs), 603
renal, prognosis and problems in (abs), 455
Twins, homozygotic, myositis ossificans progressiva in, 204
identical, similar ossification patterns in corresponding costal cartilages of, 213
Typhoid vaccine, cardiac enlargement in fever therapy induced by intravenous injection of (abs), 584

Ulcer. See also Peptic ulcer
benign, of cecum (abs), 309
crater in uncomplicated duodenal, 87
post bulbar, of duodenum, 90
Ulceration, chronic, occurring after irradiation, physiobiology and general management of, 9
duodenal diverticula with, 343
surgical repair of, following radiotherapeutic eradication of cancer, 229
Ultraviolet radiation, prevention by, of algae formation in wash tanks, 753
Ureteropelvic junction obstruction, management of (abs), 592
Urethane therapy (E), 421
Urethrograms made with lipiodol, venous invasion due to (abs), 594
Urinary disturbance, foreign body in duodenum causing (abs), 305
Urography, excretory, ditopax a new medium for (abs), 309
excretion, fornix backflow in (abs), 150
intradermal and ocular methods of testing for sensitivity to diodrast for use in 727
intravenous, in acute renal colic (abs), 309
Uterus, cancer, background of (abs), 591
cancer, following radiation therapy for benign uterine lesions, 796
cancer, radiotherapeutic treatment of (abs), 603
cervix, cancer, causes of death in (abs), 591
cervix, cancer, radiation and surgical trends in treatment of, 251
radiation therapy for benign lesions, of, cancer of corpus uteri following, 796

Venous invasion due to urethrograms made with lipiodol (abs), 594
Ventricles, cerebral, herniation of, 27
lateral, tumors of, 177
Ventriculography of tumors below tentorium (abs), 441
Vertebra, occipital, as related to basilar impression, 511
Vertebrae, fusion of, following resection of intervertebral disc (abs), 460
Vertebral bodies, agenesis of, cause of dwarfism, 705
Viruses, inactivation of, by radiations (abs), 612
Vitamin B complex, menorrhagia and cancer (abs), 767
Vocal cord, schwannoma of pharynx with paralysis of (abs), 146

Wilms' tumor (abs), 455
Wounds, penetrating, of abdomen, 168
penetrating, of pleural cavity, sequelae and complications of hemothorax resulting from, 525

Xanthomatosis, generalized, with pulmonary skeletal and cerebral manifestations (abs), 768

AUTHOR INDEX TO VOLUME 59

Abeshouse, Benjamin S., 149
Ackerman, Alfred J., 318
Ackerman, Andrew J., 539
Adair, Frank A., 606
Adams, F. M., 455
Allen, E. Peter, 454, 455
Allen, J. E., 760
Altman, William S., 753
Arana, Roman, 617
Arango, Oriol, 204, 213
Arendt, Julian, 865
Arneson, A. N., 251
Aub, J. C., 468
Auerbach, O., 456

Bachman, A. L., 466
Bacon, S. K., 591
Baggenstoss, A. H., 453
Bagnall, D. J. T., 444
Baird, C. L., 699
Baker, D. R., 461
Ball, Robert P., 90
Bank, Joseph, 451
Barden, Stuart P., 525
Barnard, Leonard B., 458
Barner, J. L., 605
Barquin, F. J., 514
Barta, Chester K., 764
Bassols, Francisco, 482
Beard, D. E., 605
Bell, Joseph C., 103
Bennett, Granville A., 595
Bianco, John J., 589
Bickel, William H., 461, 599
Bird, Gustavus C., Jr., 351
Bloch, Robert G., 853
Blomfield, G. W., 612
Boldero, J. L., 598
Bond, John P., 765
Bonnet, W. L., 461
Bonnin, J. G., 598
Bonser, G. M., 600
Boots, R. H., 456
Borman, C. N., 104
Borrelli, Frank J., 705
Bottone, J. J., 592
Bowden, Lemuel, 796
Boyce, Frederick F., 306
Braun, Imre, 305
Braunstein, L. E., 310
Breit, Donald H., 9, 229
Brines, O. A., 456
Broders, Albert C , 599
Bromer, Ralph S , 845
Brooks, Frank P., 482, 651
Brunschwig, Alexander, 146, 302
Bush, F., 613

Caffey, John, 462, 764, 814, 843, 852
Call, John D., 227
Calmenson, Marvin, 589
Camiel, Mortimer R., 444
Carroll, Douglas G., 755
Case, James T., 427, 769
Cash, I. I., 451
Castigliano, S. Gordon, 19
Catlin, Daniel, 354
Cecil, A. B., 591
Chamberlain, Richard H., 651
Chapman, Earle M., 153
Cherry, H. H., 82
Chevallier, Paul, 585
Chodoff, Paul, 311
Christie, A., 442
Clark, J. H., 310
Clerf, Louis H., 144
Cloud, R. W., 468
Cogan, D. G., 468
Cogswell, H. D., 452
Coheen, Jack, 865
Cohen, L , 457
Colby, F. H., 610
Colcock, Bentley P., 588
Cole, Lewis Gregory, 105
Collins, Lois Cowan, 177
Comfort, Manfred W., 453
Conley, John J., 770
Corron, Charles E., 602
Cope, O., 468
Corrigan, K. E., 280
Corscaden, James A., 591
Coss, J. A., Jr., 456
Costello, Cyril J., 151
Cottrell, George W., 596
Coughlin, Edward J., Jr., 763
Cox, W. F., 612
Crabtree, E. G., 594
Craver, Bradford N., 404
Cromar, C. D. L., 309
Crossen, Robert J., 590
Crutchlow, Everett F., 441

Dallos, Arthur, 452
Danzer, Joseph T., 147
Dawson, E. K., 600
Day, F. H., 731
Deal, L. J., 731
DeAlvarez, Russell R., 591
Delano, Percy, 685
Deming, C. L., 455
Dickson, Douglas D., 462
Dockerty, Malcolm N., 461, 589
Donald, James G., 596
Donlan, C. P., 469
Donnelly, Bernard A., 603
Dormer, B. A., 447, 448
Doss, A. K., 592
Downes, Jean, 442
Dreyfuss, F., 149
Druss, Joseph G., 151
Duffy, F. P., 595
Dundon, Carroll C., 492
Dunner, Lasar, 444
Dunning, W. F., 612

Ehrlich, J. C., 587
Elkin, Daniel C., 766
Ellis, F., 600
Epstein, Bernard S., 359
Evans, Robley D., 153
Evans, T. C., 469
Evans, William A., Jr., 662

Failla, G., 280
Farmer, Frank T., 613
Feld, Harold, 877
Felson, Henry, 59
Fengler, Kaethe, 435
Ferguson, Albert Barnett, Jr., 763
Finch, A. D., 459
Findlay, D., 387
Fisher, Samuel H., 816
Fissel, George E., 351
Fitts, William T., Jr., 596
Fletcher, Gilbert H., 750
Flood, P. A., 613
Florence, T. J., 309
Forbes, Roy P., 898
Forssman, G., 155
Fox, P. F., 305
Frantz, Charles H., 764
Freeman, Smith, 152
Freeman, Walter, 311
Freid, Jacob R., 551
Fremont-Smith, Maurice, 608
Friedlander, J., 447, 448
Friedman, Louis L., 768

Galambos, A., 307, 308
Gambill, Earl E., 453
Garland, Leo H., 155
Gaskill, Herbert S., 100
Gauss, Harry, 307, 452
Gazin, A. I., 309
Gerstl, B., 584
Giannini, Margaret J., 705
Gilbert, Helen H., 608
Gill, Dorothy, 768
Gill, Joseph H., 596
Gillespie, H. W., 463, 467, 611
Gilmore, John H., 451

Gittleman, I. F., 761
Gold, Edwin M., 148
Gold, Michael M., 148
Golden, Ross, 90, 105, 106, 157
Gordon, Everett J., 533
Gottlieb, Charles, 877
Gould, David M., 416
Govons, Sidney R., 900
Graham, A. P., 604
Graham, Ruth M., 608
Grant, Francis C., 898, 900
Green, John R., 617
Greenberg, William B., 705
Greene, R. R., 767
Greenstein, Jesse L., 565
Gregg, D. B., 443
Grier, George W., 852
Griffith, Geo. C., 770
Gross, Robert E., 449
Grossmann, Maria E., 441
Guri, J. Puig, 460, 466
Gusberg, S. B., 591
Glystorff-Petersen, H., 605
György, P., 462

Haas, S. L., 460
Hadley, Lee A., 511
Haenisch, G. H., 747
Halberstaedter, L., 154
Halley, E. P., 770
Hamilton, L. C., 144
Hamlin, Hannibal, 505
Hardy, J. B., 760
Harris, M. H., 458
Harris, Milo T., 155
Harris, William, 376
Hartman, J. K., 760
Harvey, Rolfe M., 845
Hauser, Harry, 326
Hayward, W. G., 310
Heatly, Clyde A., 145
Hefke, H., 309
Helwig, Elson B., 306
Henderson, Arthur T., 441
Henderson, S. G., 144
Henyey, L. G., 565
Hermon, R., 444
Hertz, Saul, 153
Herzig, William, 450
Heublein, G. W., 59, 699
Hewit, L. W., 605
Heyman, Albert, 584
Heyman, J., 603
Hill, A. J., Jr., 597
Hill, R. F., 396
Hill, Walter C., 295
Hindenach, J. C. R., 762
Hine, G. J., 260
Hochman, A., 154
Hodgen, John T., 764
Hodges, Fred Jenner, 303
Hodges, Paul C., 122
Hoffmeyer, Jørgen, 154
Holt, John Floyd, 303
Holthusen, H., 747
Howard, John, 408
Howland, W. S., 309
Hunt, Howard B., 9, 229, 250
Hunter, O. B., 587

Ingraham, F. D., 755
Ingraham, N. R., Jr., 462

Jaeger, Rudolph, 898
Jefferiss, D., 454
Jenkinson, Edward L., 222
Jensen, Clyde R., 583
Jewell, F. C., 612
Jewitt, Hugh J., 593
Jones, John C., 758
Jones, Paul A., 338
Jorstad, L. H., 250

Kaplan, Ira I., 370, 376, 377
Kearns, W. M., 309
Keefer, George P., 378, 606
Kestler, Otto C., 762
King, David J., 468
Kirklin, B. R., 104
Kleeberg, J., 149
Klinefelter, Edmund W., 463
Kometani, J. T., 597
Kramer, B., 761
Krauss, Ruth F., 464
Kross, Isidor, 584

La Chapelle, E. H., 460
Lahey, Frank H., 757
Lampe, Isadore, 303
Landoff, G. A., 594
Langohr, J. L., 468
Lawrence, J. H., 614
Lea, D. E., 612
Leblond, C. P., 387
Leddy, Eugene T., 717
Leeser, Felix, 882
LeMay, M. J., 469
Lendrum, Alan C., 444
Lenowitz, H., 604
Lenz, Maurice, 469, 571, 607
Leonard, D. W., 457
Lerner, H. H., 309
Leucutia, T., 133, 424, 890
Leveuf, Jacques, 465
Liechti, A., 156
Lindbom, Åke, 150
Lindsay, John R., 146
Lipsitch, Lester S., 148
Lodge, Thomas, 448
Loewenstein, Ernst, 441
Logan, Noble H., 462
London, M. Z., 594
Long, Esmond R., 442
Long, Leonard, 450
Longmire, William, Jr., 306
Lowman, Robert M., 177
Lowry, E. C., 605
Lucas, Leo S., 596
Luckey, Clarence A., 462
Lübschitz, Karen, 152, 605
Lysholm, Erik, 150, 441

McCarthy, P. V., 461
McCoy, S. Murray, 458
McEnery, E. T., 305
McKay, Joseph W., 441
Mackenzie, William, 463
McLaren, J. W., 616
Maier, Herbert C., 759
Maimon, Samuel N., 306
Maissen, Luis, 155
March, Herman C., 197
Marinelli, L. D., 260, 396
Marshall, Victor F., 610
Martin, Charles L., 1
Martin, Hayes, 141
Martin, J. H., 615
Martineau, L. A., 365
Maun, M. E., 612
Mayfield, Frank H., 456
Meigs, Joe V., 608
Mendelsohn, E. A., 450
Merrill, O. E., 468
Métras, H., 761
Minder, W., 156
Mittelmann-Galambos, W., 307, 308
Moir, P. J., 600
Monk, George S., 282
Moon, Robert J., 886
Moran, Frank T., 338
Moreton, Robert D., 717
Morgan, Russell H., 416
Morgenstern, Philip, 677
Morisette, Russell A., 767
Morris, H. R., 682
Morton, S. A., 309
Moutier, François, 585
Mullis, A., 156
Murray, G. E., 592
Murray, Gordon, 457
Mustakallio, S., 608

Natoli, William, 786
Nemet, A., 612
Nesbit, R. M., 455
Neuhauser, Edward B. D., 305, 805, 815, 852
New, Gordon B., 756
Niemetz, David, 768

Nolan, James F., 786
Nolle, B. C., Jr., 592

O'Keefe, John J., 144
Oliver, David R., 758
Oughterson, A. W., 249

Palmer, Walter L., 306
Park, S. D. Scott, 444
Pearce, Alexander E., 451
Peckham, B. M., 767
Peirce, Carleton B., 441
Pendergrass, Eugene P., 27, 482, 651
Pendergrass, Robert C., 765
Perlman, Aaron W., 533
Perryman, Charles R., 27
Peterson, J. C., 442
Pfahler, George E., 378, 606
Phemister, D. B., 464
Pierson, Philip H., 445
Pierson, W. M., 147
Pinck, Bernard D., 576
Pincus, J. B., 761
Pine, Irving, 677
Pirkey, Everett L., 222
Platou, R. V., 597
Platt, Harry, 601
Ponseti, Ignacio, 764
Poppel, M. H., 505
Portmann, U. V., 429
Potts, Willis J., 587
Powell, Norborne B., 763
Prehn, D. T., 148
Price, Alison H., 147
Price, Philip B., 150
Priestley, James T., 594
Putzki, Paul S., 602

Quimby, Edith H., 260

Rafsky, Henry A., 450
Randall, Lawrence M., 609
Rappoport, A. E., 451
Ray, R. Beverley, 763
Reeves, Robert J., 338
Reisner, David, 442
Resnick, B., 310
Rhoads, Paul S., 152
Richardson, J. L., 597
Roach, J. F., 505
Robbins, L. L., 468
Roberson, J. H., 731
Roberts, Arthur, 153
Roberts, W. M., 459
Rose, E. K., 462
Rowen, Ralph E., 762
Rytand, David A., 148

Sampson, D. Alan, 712
Samuel, Eric, 454
Saylor, Leslie L., 588
Schechter, Abraham J., 576
Schrek, Robert, 588
Scott, G. I., 613
Scott, H. W., 755
Scott, L. D. W., 444
Scott, W. G., 451
Scully, James H., 602
Segal, Allan L., 90
Seligson, Frank, 464
Senger, F. L., 592
Shapiro, Harry H., 747
Shapiro, Robert, 177
Schechter, Nathan, 533
Sherman, L. S., 144
Sherman, Mary S., 464, 598
Signorelli, John H., 768
Silberman, Frederic N., 819
Simon, Alexander, 311
Singer, Arthur G., Jr., 727
Slater, M., 168
Smith, Frank R., 796
Sniffen, R. C., 610
Somerville, E. W., 459
Sontag, L. W., 760
Speigel, Joshua I., 899
Spiers, F. W., 612
Stecher, Robert M., 326
Stevens, Lloyd W., 482
Stone, Robert S., 771
Stout, Arthur Purdy, 157
Sugarbaker, Everett D., 758
Sweet, Richard H., 756
Swenson, Paul C., 108, 843

Taylor, Howard C., 759
Templeton, Frederic E., 87, 105
Tennent, William, 451
Teplick, George, 147
Terplan, Kornel, 445, 446, 447
Thomas, P., 761
Thompson, Hugh C., 452
Thompson, L. E., 584
Thompson, Paul E., 144
Thoms, Herbert, 589
Tod, Margaret C., 600
Toomey, John A., 767
Troxler, Eulyss R., 768
Tucker, Arthur, 805
Turchik, Frank, 146
Turkel, E. F., 365

Ullmann, Henry J., 599
Ulmer, Jack L., 456
Urist, Marshall R., 458

VanAllen, Willard W., 416
Van Demark, R. E., 461
Vastine, Jacob H., II, 204, 213
Vastine, Mary Frances, 204, 213
Vesell, Harry, 584
Vinke, T. H., 595
Vinson, Porter P., 227
Viole, Pierre, 145
Vynalek, William J., 588

Waldenström, Jan, 583
Walker, A. Earl, 765
Walker, G. B., 612
Wallach, Kaufman, 583
Walters, Waltman, 585
Ware, Paul F., 449
Waring, J. I., 443
Warren, James V., 766
Warren, Kenneth W., 757
Weber, Harry M., 585
Weens, H. S., 309, 584
Wegmüller, F., 156
Weinberg, Tobias, 149
Weinmann, Joseph P., 303
Weinstein, L. J., 452
Weiss, Morris, 450
White, E. W., 310
Whitmore, William H., 343
Wigh, Russell, 108
Wiles, F. J., 447, 448
Williams, E. Rohan, 615
Williams, I. G., 600
Willis, R. A., 746
Wilson, Angus K., 688
Wilson, David, 816
Windholz, Frank, 105
Wood, David A., 445
Wood, Ernest H., Jr., 52
Wright, D. O., 148

Yaguda, A., 456
Yeager, Leona B., 152
Young, Barton R., 351

Zaglio, Edmond R., 458
Zeman, Frederic D., 583